

## Enhanced English Language Abstract - FR2230366

## SOURCES:

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## SEARCH RESULTS:

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## Derwent Accession :

1974-85606V [50]

## Title :

Pyrazolo(1,5-a)-s-triazines and their salts, with bronchospasmolytic  
activity

## Derwent Class :

B02

## Patent Assignee :

(SANO) SANDOZ AG

## Nbr of Patents :

14

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14

## Patent Number :

BE-815405 A 19741122 DW1974-50 Fre \*

NL7406641 A 19741126 DW1974-50 Dut

DE2424334 A 19741219 DW1974-52 Ger  
AP: 1974DE-2424334 19740518

NO7401738 A 19741216 DW1975-02 Nor

SE7406386 A 19741223 DW1975-03 Swe

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ZA7403316 A 19751124 DW1976-13 Eng

CH-581137 A 19761029 DW1976-47 Ger

HUT012646 T 19761227 DW1977-02 Hun

## Priority Number :

1974CH-0004425 19740329; 1973CH-0007257 19730522; 1973CH-0007258  
19730522; 1973CH-0007259 19730522; 1973CH-0016940 19731204

**Intl Patent Class :**

A61K-027/00; C07D-487/04; C07D-057/34

**Abstract :**

BE-815405 A

(A) Cpd. of formula (I) and their acid-addition salts are new (where R' is H, alkyl, 3-6C cycloalkyl, phenyl opt. subst. by halogen, alkyl, alkoxy; R2 is H, Cl, Br, formyl acetyl, NH2, NO2, alkyl dialkylaminomethyl or the group -NH.CO.A where A is H or alkyl opt. subst. by halogen; R3 is H, OH, alkyl, 3-6C cycloalkyl, phenyl opt. subst. by halogen, alkyl, alkoxy; R4 is H, alkyl, alkenyl or alkynyl where the multiple bond is not alpha to the N-atom, hydroxyalkyl or alkoxyalkyl where the O-atom is separated from the N-atom by at least two C-atoms; dialkylaminoalkyl in which the N-atoms are separated by at least two C-atoms; 3-7C cycloalkyl, 4-10C cycloalkylalkyl, pyridyl, pyrimidyl, benzyl (opt. subst. in the aryl part by halogen, OH, alkyl, alkoxy), NH2, dialkylamino, 2-7C alkyleneimino; R5 is H, alkyl, alkenyl or alkynyl where the multiple bond is not alpha to the N-atom to which the group is attached, hydroxyalkyl or alkoxyalkyl where the O-atom is separated from the N-atom by at least two C-atoms, dialkylaminoalkyl where the two N-atoms are separated by at least two C-atoms, 3-7C cycloalkyl, 4-10C cycloalkylalkyl; or R4 and R5 together with the attached N-atom form piperidino, pyrrolidino, morpholino, thiomorpholino, or a group N4-B-(1-piperazinyl) where B is alkyl or hydroxyalkyl where the OH group is separated from the N4-atom by at least 2 C-atoms; or phenyl opt. subst. by halogen, alkyl, alkoxy; the group A opt. present in the group R2 must be H, Me or Et when R4, R5 are both H). (B) Cpd. of formula (II) are also new: (where R' is as in I; R2a is H Cl, Br, NO2, alkyl; R3a is H, alkyl, 3-6C cycloalkyl, phenyl opt. subst. by halo, alkyl, alkoxy; X is OH or the group SR6 where R6 is H, alkyl, 3-6C cycloalkyl, benzyl, opt. subst. by OH, alkyl, alkoxy or halogen on the benzene ring.) (I) and (II) are bronchospasmolytics; acute LD50 (p.o.rat) is typically  $\geq 100\text{mg/kg}$ . (II) are also inters. to (I).

**Manual Codes :**

CPI: B06-D09 B12-E02 B12-K02

**Update Basic :**

1974-50

**Update Equiv. :**

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